

## *Oeneis polixenes katahdin* (Katahdin Arctic)

### Priority 1 Species of Greatest Conservation Need (SGCN)

**Class:** *Insecta* (Insects)

**Order:** *Lepidoptera* (Butterflies, Skippers, And Moths)

**Family:** *Nymphalidae* (Brushfooted Butterflies)

#### General comments:

Only 1 known population; globally rare subspecies

#### Species Conservation Range Maps for Katahdin Arctic:

Town Map: [Oeneis polixenes katahdin\\_Towns.pdf](#)

Subwatershed Map: [Oeneis polixenes katahdin\\_HUC12.pdf](#)

#### SGCN Priority Ranking - Designation Criteria:

##### Risk of Extirpation:

Maine Status: **Endangered**

**State Special Concern or NMFS Species of Concern: NA**

**Recent Significant Declines: NA**

##### Regional Endemic:

*Oeneis polixenes katahdin*'s global geographic range is at least 90% contained within the area defined by USFWS Region 5, the Canadian Maritime Provinces, and southeastern Quebec (south of the St. Lawrence River).

##### High Regional Conservation Priority:

NatureServe:

Global Rank: T1

**High Climate Change Vulnerability: NA**

**Understudied rare taxa: NA**

**Historical: NA**

**Culturally Significant: NA**

#### Habitats Assigned to Katahdin Arctic:

**Formation Name**      **Alpine**

**Macrogroup Name**      **Alpine**

**Habitat System Name:** Acadian-Appalachian Alpine Tundra      **\*\*Primary Habitat\*\***      **Notes:** endemic to Mt Katahdin tablelands

#### Stressors Assigned to Katahdin Arctic:

Stressor Priority Level based on Severity and Actionability		Moderate Severity	High Severity
	Highly Actionable	Medium-High	High
	Moderately Actionable	Medium	Medium-High
	Actionable with Difficulty	Low	Low

**IUCN Level 1 Threat**      **Human Intrusions and Disturbance**

**IUCN Level 2 Threat:**      **Recreational Activities**

**Severity:** Moderate Severity

**Actionability:** Highly actionable

**Notes:** Off trail hiking damage to host plant and habitat

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*\*Only species specific conservation actions that address high (red) or medium-high (orange) priority stressors are summarized here.*

**Conservation Action****Category:** Research**Biological Priority:** high**Type:** new

Prepare a statewide atlas and conservation assessment.

**Stressor(s) Addressed By This Conservation Action**

Lack of knowledge

**Conservation Action****Category:** Survey and Monitoring**Biological Priority:** high**Type:** new

Work with Baxter State Park to develop species monitoring protocols that are robust enough to detect potential trends in population size.

**Stressor(s) Addressed By This Conservation Action**

Lack of knowledge

**Conservation Action****Category:** Habitat Management**Biological Priority:** high**Type:** new

Work with BSP and MNAP to develop tundra habitat monitoring procedures for assessing potential impacts from off-trail recreation.

**Stressor(s) Addressed By This Conservation Action**

Recreational Activities

**Guild Level Conservation Actions:**

This Species is currently not attributed to a guild.

**Broad Taxonomic Group Conservation Actions:**

Additional relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

**Habitat Based Conservation Actions:**

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

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*The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.*